

4. A multiple layer display as claimed in claim 1, wherein there is no overlap between the viewing angles or range of viewing angles of the first display layer and the viewing angle or range of viewing angles of the second display layer.

5. A multiple layer display as claimed in claim 1, wherein there is some overlap between the viewing angles or range of viewing angles of the first display layer and the viewing angle or range of viewing angles of the second display layer.

6. A multiple layer display as claimed in claim 1, wherein viewing angle enhancing means are applied to at least one of said first and second display layers to increase the range of viewing angles at which an image displayed on said at least one display layer is viewable.

7. A multiple layer display as claimed in claim 6, wherein said viewing angle enhancing means comprises a wide angle viewing diffuser positioned in front of one of said display layers.

8. A multiple layer display as claimed in claim 1, wherein the image directing means comprise at least one of:

- i) light control film,
- ii) holographic diffusion film,
- iii) prismatic film,
- iv) a parallax barrier, and
- v) a lenticular lens.

9. A multiple layer display as claimed in claim 1, wherein the image directing means controls the cell structure of the liquid crystal within at least one of the first or second display layers.

10. A multiple layer display as claimed in claim 1, wherein the image directing means is formed by arranging the liquid crystal molecules within at least one of the first or second display layers at a predetermined angle to the surface of that display layer.

11. A multiple layer display as claimed in claim 1, wherein the image displayed on one display layer is made up of separate interlaced primary and secondary images and a viewing angle dependent filtering means is provided in front of said display layer,

wherein the primary image is viewable from a range of primary viewing angles and the secondary image is viewable from a range of secondary viewing angles, and

wherein the range of primary viewing angles overlaps with either the first or second range of viewing angles of the other display layer and the range of secondary viewing angles overlaps with the second or first range of viewing angles or the other display layer.

12. A multiple layer display as claimed in claim 11, wherein the viewing angle dependent filtering means comprises a lens stripe pattern.

13. A multiple layer display as claimed in claim 1, wherein additional substantially planar, selectively transparent, display layers are provided beneath the second display layer overlapped with said first and second display layers.

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